

Historical Survey of Eastport

University of Maryland

College of Information Studies (*“Maryland’s iSchool”*)

INST742: Implementing Digital Curation - Spring 2017

City of Annapolis PLANNING & ZONING

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(DCIC)

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Eastport Residents

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MYEONG Lee

DCIC Graduate Assistants



MARY Kendig

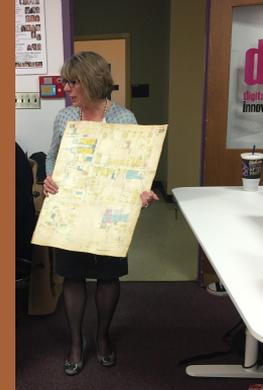


MARTIN Moreno

Undergrad. Assistant

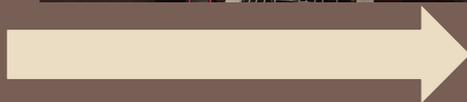
Feb. 6: Lisa Craig

Digital Curation Innovation
Center (DCIC) @ UMD



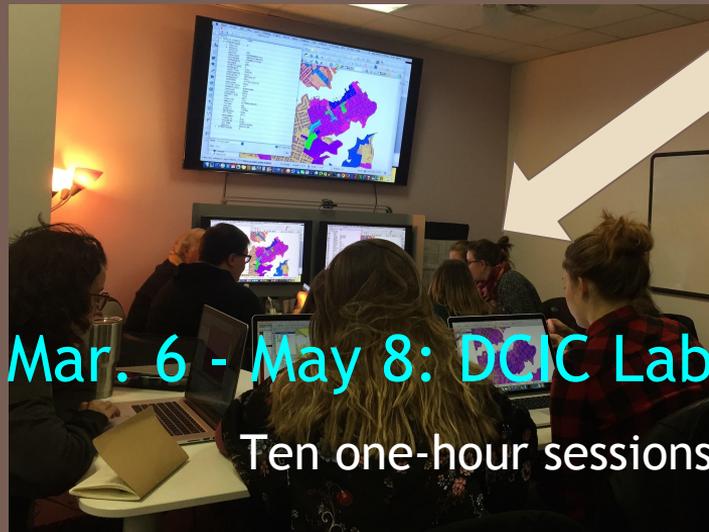
Feb. 13: Scott Madry

QGIS Training



Feb. 27:

Sanl



Mar. 6 - May 8: DCIC Lab

Ten one-hour sessions

#1: Field Work



**Meaghan
Wilson**



**Taira
Sullivan**



**Anne
Dempsey**



**Suzy
Wilson**



**Valerie
Linsinbigler**



**Scott
Harkless**



**Rachel
Dankert**



**Sarah
LeClaire**



**Nathan
Avant**



**Kelsey
Diemand**

#2: Chain of Ownership Research



**Ben
Bradley**



**Kendall
Aughenbaugh**



**Torra
Hausmann**



**Rosie
Seidel**



**Sydney
Vaile**



**Becca
Mena**



**Wes
DeThomas**

#3: Maps / GIS

On Creating a PALS Eastport Property Inventory (PEPI)

- ▶ **Combining 2 GIS zoning layers:**
 - ▶ Single-Family Residence Neighborhood Conservation (R2-NC) District
 - ▶ Office and Commercial Design (OCD) Overlay
- ▶ **Extracting intersecting Parcels and Parcel Points:**
 - ▶ Created a PEPI to determine which houses to target (800+ points / 600+ parcels)
- ▶ **Digitizing and incorporating the 2002 “EHT Traceries, Inc.” study of Eastport:**
 - ▶ Section G. Geographical Data (pages 48-157), resulting in 759 house descriptions
 - ▶ Augmented PEPI with these EHT Traceries house descriptions, e.g.:

Address	Date	Property Type (Use)	Stories	Form/Style	Structural System	Roof	Outbuilding	Status
505 Burnside Street	1930-1959	Residential (Single Dwelling)	2-1/2	Colonial Revival	Asbestos Shingles	Front Gable		Contributing in use, style, and date

#1 Field Work

- ▶ Methodology
 - ▶ Obtained GIS layers from Shawn Wampler:
 - ▶ R2-NC zoning district + OCD district
 - ▶ Created a PALS Eastport Property Inventory to determine which houses to photograph (817 polygons -- 624 parcels)
 - ▶ Traveled to Eastport and photographed in teams of two
 - ▶ Assigned file names using the format Grid#-Address-View-Date
 - ▶ Uploaded images into Box in folders by street name
 - ▶ Compared present images to 2002 EHT Tracerics survey descriptions
 - ▶ Recorded in PALS Inventory the differences in property descriptions and current images



...Fieldwork

- ▶ Findings
 - ▶ Significant change since 2002 “EHT Traceries, Inc.” survey
 - ▶ Combination of community change and surveyor knowledge of architectural features
 - ▶ Up-to-date letter of introduction for surveyors to present to homeowners would be helpful
 - ▶ Photographing is the quickest part
 - ▶ File naming, quality control, and comparing past survey records to new photographs is very time consuming
 - ▶ Training/additional resources in architectural feature identification would be helpful

#2 Chain of Ownership Research

Goal: Use subset of addresses to complete a proof of concept method for collecting complete chain of ownership information for a set of addresses in Eastport

- ▶ **Time:** Each address took around 1.5 hours to do in-depth research
- ▶ **Tools:** [Maryland Land Records](#) website; Google Form: [Annapolis Home Ownership Survey](#) (converted from Jane McWilliams' "Building History Manual" survey form), Google Sheets: [Group worksheet](#) for tracking progress; Annapolis Home Ownership Survey results
- ▶ **Results:** 50 properties surveyed in depth as a proof of concept.

Search Anne Arundel County Land Records

ALERT: DISCLAIMER: Please note that effective January 14, 2017, the information is available:

» Instruments

Jump to new volume

Clerk Book

This Deed, made this 9th day of February, 2017, by and for the GRANTOR, and Eric Richardson and Jennifer Richardson, GRAN

- Witnesseth -

...Chain of Ownership Research

Methods:

- ▶ Created spreadsheet with proof of concept addresses assigned to each group member
- ▶ Created Google Form to capture each change of ownership modeled on paper form
- ▶ Used **SDAT (State Dep. of Assessments & Taxation)** to begin address search using first *Liber* and *Folio* numbers available
- ▶ Followed chain of Liber and Folio numbers in **Maryland Land Records database** until the trail went cold
- ▶ Moved onto next address

...Chain of Ownership Research

Next Steps: Census Records

- ▶ Could provide more demographic information on historical homeowners.
- ▶ Would allow the collection of information on residents (renters, etc) who are not homeowners.
- ▶ Bring to light residents who might have been obscured by official records.
 - ▶ Women
 - ▶ Minorities
 - ▶ Extended Families

DEPARTMENT OF
Eastport
SIXTEENTH CENSUS
POPULATION

RESIDENCE, APRIL 1, 1920

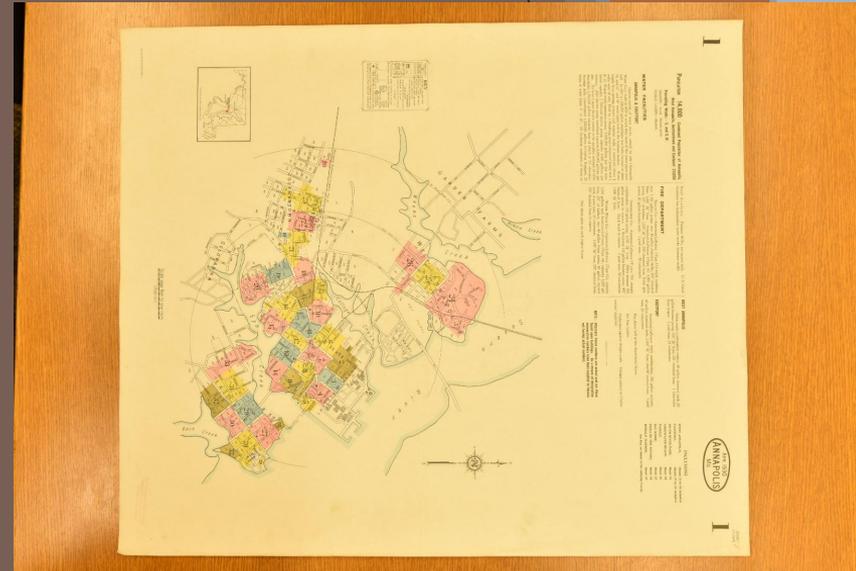
IN WHAT PLACE DID THIS PERSON LIVE ON APRIL 1, 1920?
For a person who, on April 1, 1920, was living in the same house, or in general, under the same name, as at the time of the last census, and who was living in a different house but in the same city or town, enter "Same place," leaving tabs 10, 11, and 12 blank, in both instances.
For a person who lived in a different place, enter city or town, county, and State, as directed in the instructions. (Enter actual place of residence, which may differ from usual address.)

CITY, TOWN, OR VILLAGE (Including P.O. Box or route)	COUNTY	STATE (or Territory or foreign country)	POPULATION	COUSIN	UNEMPLOYED
<i>Same Place</i>			17	18	19
<i>Same Place</i>					
<i>Same Place</i>					
<i>Same Place</i>					
<i>Same Place</i>					
<i>Same Place</i>					

#3 Maps / GIS

Step 1: Digitizing Eastport Sanborn Maps at the Library of Congress

We purchased and tested new equipment:
Nikon DSLR Camera / lenses / tripod / boom
arm / Bananagrams & marbles...



GIS Step 2: Georeferencing of the Images

The screenshot shows the QGIS 2.18.3 Georeferencer interface. The main window displays two maps side-by-side: a historical map of Eastport from the 1878 Hopkins Atlas of Anne Arundel County on the left, and a modern satellite map on the right. The historical map shows a grid of streets and is labeled 'SEVERN RIVER', 'HORN POINT', and 'Scale: 150 feet to the Inch.'. The satellite map shows the same area with modern buildings and streets. The Georeferencer window has a 'GCP table' at the bottom with the following data:

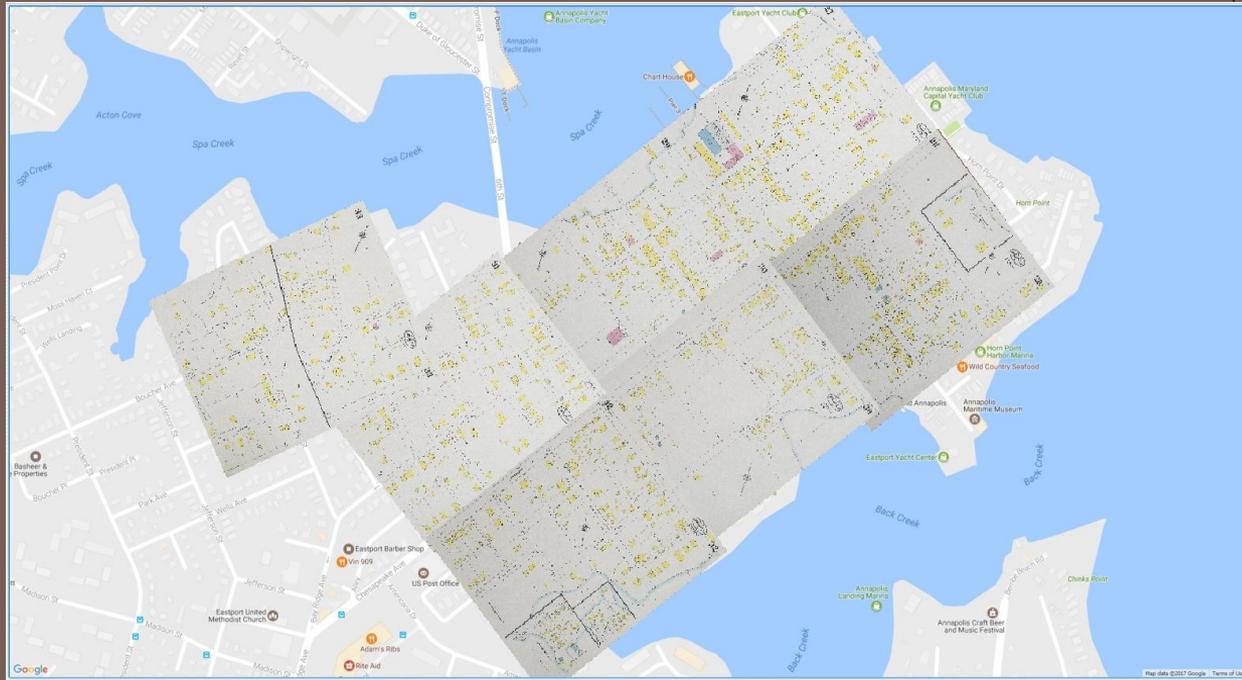
Visible	ID	Source X	Source Y	Dest. X	Dest. Y	dx (pixels)	dy (pixels)	Residual (pixels)
✗	0	973.845	-366.36	-8.51362e+06	4.71791e+06	0	0	0
✗	1	1205.87	-580.071	-8.51348e+06	4.71772e+06	0	0	0
✗	2	1422.64	-763.251	-8.51334e+06	4.71754e+06	0	0	0

Placing ground control points (GCPs) on map a of Eastport from the 1878 Hopkins Atlas of Anne Arundel County.

After placing the control points, QGIS is able to overlay the historic map over the Google map.



GIS Step 3: Merging Sanborn Map Sheet Images



Seven map pages from the 1930 Sanborn merged into a single map.

2002 SURVEY COMPARISON

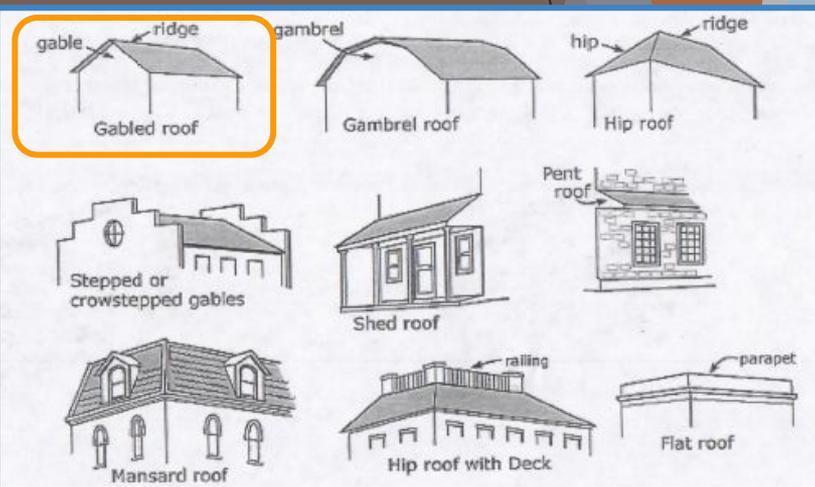
Address	Date	Property Type (Use)	Stories	Form/Style	Structural System	Roof	Outbuilding	Status
501 Burnside Street	1930- 1959	Residential (Single Dwelling)	1-1/2	Colonial Revival Bungalow	Weatherboard	Front Gable		Contributing in use, style, and date
503 Burnside Street	1930- 1959	Residential (Single Dwelling)	1-1/2	Colonial Revival Bungalow	Stucco	Front Gable		Contributing in use, style, and date
505 Burnside Street	1930- 1959	Residential (Single Dwelling)	2-1/2	Colonial Revival	Asbestos Shingles	Front Gable		Contributing in use, style, and date
507 Burnside Street	1905- 1908	Residential (Single Dwelling)	2-1/2	Colonial Revival	Aluminum	Side Gable		Contributing in use, style, and date
509 Burnside Street	1905- 1908	Residential (Single Dwelling)	2-1/2	Colonial Revival	Weatherboard	Front Gable		Contributing in use, style, and date
510-512 Burnside Street	1908- 1913	Residential (Twin Dwelling)	2-1/2	Vernacular Queen Anne	Weatherboard/ Aluminum	Front Gable		Contributing in use, style, and date

Asbestos

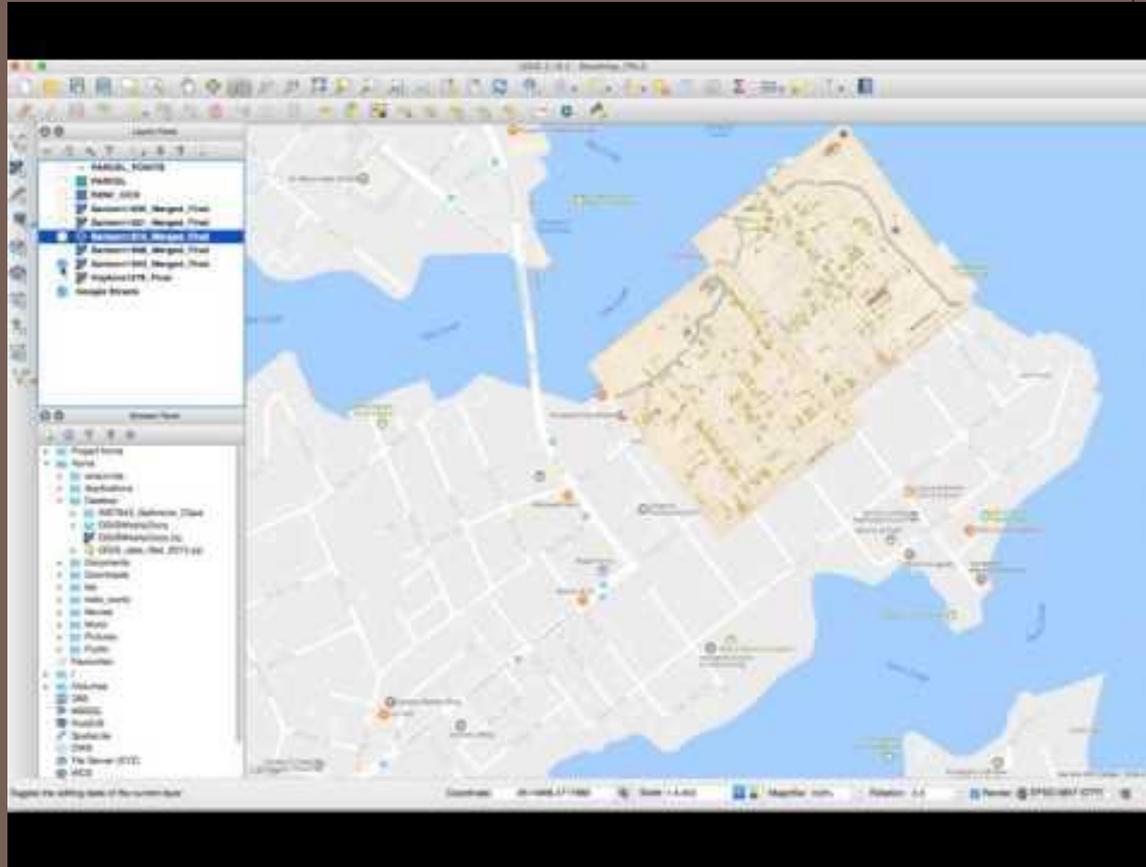
Fibers of the mineral chrysotile, an excellent heat insulator. – *Bucher*

Asbestos Shingle

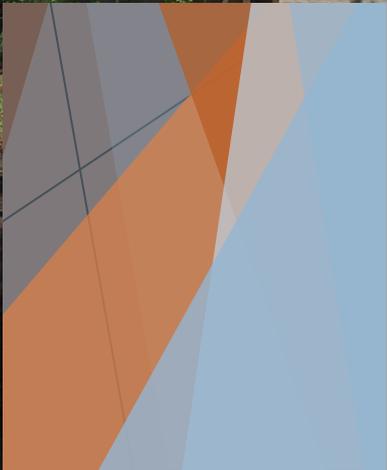
A shingle composed of cement reinforced with asbestos fibers; manufactured in the early-late 20c in various sizes, shapes, and textures. – *Bucher*



GIS Step 4: Overlaying GIS layers



Example Property:
505 Burnside

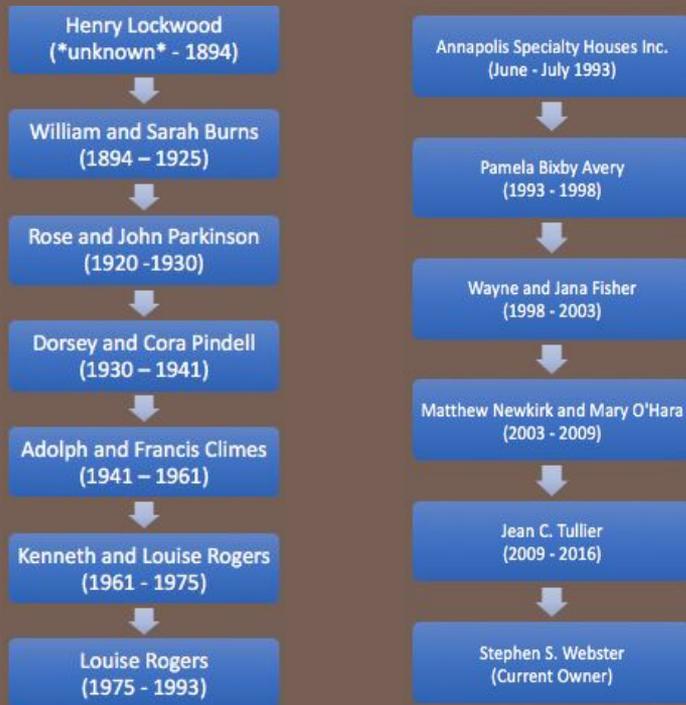


505 Burnside: Fieldwork



505 Burnside: Chain of Ownership

13 recorded transfers:



This Deed, Made this 28th

in the year one thousand nine hundred and sixty-one

ADOLPH KLIMES and FRANCES L. KLIMES, his wife

THAT for and in consideration of the sum of TEN DOLLARS (\$10.00) and other valuable considerations, paid her by the parties of the second part, the party of the first part is hereby acknowledged, she, the said party of the first part, has bargained and sold and by these presents does grant and convey unto the second part, their heirs and assigns, forever, in fee simple, ALL that lot or parcel of land situate, lying and being in the Second Election District of Anne Arundel County, Maryland, and BEGINNING for the same at an iron bar set on the east side of

and made this thirty fourth day of May one thousand and ninety four by Adolph and Frances L. Klimes, his wife of the City of Columbia of the first part and William A. Bradburn of the State of Montana of the second part, in consideration of the sum of Ten thousand Dollars (\$10,000.) including the sum of one hundred and thirty four dollars and no cents of the mortgage debt herein after mentioned to be paid by Adolph and Frances L. Klimes, his wife and assigns, in fee simple, all that farm

Next Steps: eVis

- ▶ Event Visualization Tool
- ▶ Can incorporate images and other data such as our chain of custody data in a database to add points to map the data
- ▶ eVis Browser then provides a means to view the data together on the map.

The screenshot displays the QGIS 2.14.0-Essen interface. The main map area shows an aerial view of a city with a red crosshair. The Layers Panel on the left lists several layers, including 'Bing Aerial', 'eVisottawa', and various administrative and population data layers. The Browser Panel at the bottom left shows a file tree structure. On the right side, there is a 'Display' window showing a table of records.

Field	Value
id	1
eVisOttawa...	
Photo	building
Bearing	330

Below the table is a photograph of a large, modern building with a grid of windows and a prominent entrance.

Final Products

Digitized & Searchable City Directories:

- ▶ 1910, 1924, 1928-29, 1939, 1956
- ▶ with Eastport “datafied”

New GIS layers:

- ▶ Hopkins Atlas of AAC Eastport map: 1878
- ▶ Integrated Sanborn GIS layers for Eastport:
 - ▶ 1903, 1908, 1913, 1921, 1930, 1959

Complete Photo Inventory of Eastport

Complete Updated Architectural Survey

Deep Chain of Ownership Documentation & Methodology for subset of properties

Complete 1940 Digitized & Searchable Individual Household Census records for Eastport:

- ▶ 1930, 1920, 1910 & 1900 in progress

ArcGIS Online Demo & QGIS Desktop Demo

Integrated Eastport Inventory of Properties Form

- ▶ Location / Parcel map / Owner / Tenants / Profession / Race (pre-1940s) / Legal desc. / Architectural desc. / Chain of ownership / Photo

District - 06 Subdivision - 000 Account Number - 06653900
505 BURNSIDE ST

Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:	Plat Ref:
052D	0015	0400		000				2015		

Owner Information			
Owner Name:	RICHARDSON ERIC RICHARDSON JENNIFER	Use:	RESIDENTIAL
Mailing Address:	505 BURNSIDE ST ANNAPOLIS MD 21403-3214	Principal Residence:	NO
		Deed Reference:	/30643/ 00491

Transfer Information			
Seller: WEBSTER STEPHEN S	Date: 02/14/2017	Price: \$550,000	
Type: ARMS LENGTH IMPROVED	Deed1: /30643/ 00491	Deed2:	
Seller: TULLIER JEAN C	Date: 06/24/2016	Price: \$525,000	
Type: ARMS LENGTH IMPROVED	Deed1: /29737/ 00386	Deed2:	
Seller: NEWKIRK, MATTHEW R	Date: 12/23/2009	Price: \$435,000	
Type: ARMS LENGTH IMPROVED	Deed1: /21870/ 00332	Deed2:	



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